Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-13. (Canceled)

14. (Previously Presented) A voice relaying method comprising:

receiving a cell;

de-multiplexing components of the received cell into a signaling cell and a voice cell;

disassembling the voice cell into a voice signal and disassembling the signaling cell into a first signaling signal;

detecting whether a relay switch operation is being carried out;

assembling the voice signal into a voice cell, and producing a signaling cell based on the first signaling signal; and

transmitting, to a network, a cell produced by multiplexing the signaling cell and the voice cell which are assembled during the assembling;

wherein the disassembling includes adding an identification signal to the voice signal to produce a first voice signal and sending the first voice signal to a switch; and

wherein the detecting includes detecting that the relay switch operation is being carried out when the first voice signal is received from the switch.

15. (Previously Presented) A voice relaying method according to claim 14,

wherein the identification signal is composed of a synchronous signal.

16-30. (Canceled)

31. (Previously Presented) A network device, comprising:

a receiver section to operate on an incoming cell to produce a first signaling cell and a first voice cell;

a cell assembly/disassembly unit to operate on the first voice cell to produce a second voice cell and to operate on the first signaling cell to produce a second signaling cell, comprising:

a cell disassembler section to extract a voice signal from the first voice cell to produce a first voice signal and to extract a signaling signal from the first signaling cell; and

a cell assembler section to associate the first voice signal with the second voice cell and to associate the signaling signal with the second signaling cell; and

a transmitter section to make an outgoing cell available to a network, where the outgoing cell comprises the second voice cell and the second signaling cell.

32. (Canceled)

33. (Previously Presented) The network device of claim 31, wherein the cell assembly/disassembly unit further comprises:

an identification signal section to add an identification signal to the first voice signal to produce a second voice signal for inclusion in the second voice cell.

34. (Previously Presented) The network device of claim 33, wherein the cell assembly/disassembly unit further comprises:

a detection section to determine that a relay switch operation is being carried out if the second voice signal is received from a destination.

35. (Previously Presented) The network device of claim 31, wherein the outgoing cell is made available to a switch.

36. (Currently amended) A method, comprising:

demultiplexing components of a received cell into a first voice cell and a first signaling cell;

disassembling the first voice cell into a first voice signal;

adding an identification signal to the first voice signal to produce a second voice signal;

making the second voice signal available to a network; [[and]]

detecting that a relay switch operation is being performed if the second voice signal is received from a destination;

producing a new cell that includes a second signaling cell having the first signaling cell associated therewith and a second voice cell having the second voice signal associated therewith; and

sending the new cell to a destination.

37-38. (Canceled)

39. (Previously Presented) The method of claim 36, further comprising:

sending the second voice signal to a switch.

40. (Previously Presented) The method of claim 36, wherein the adding further comprises:

adding a synchronous signal to the first voice signal as the identification signal.

41. (Previously Presented) The method of claim 36, wherein the disassembling the first voice cell further comprises:

decoding the first voice signal; and

producing a pulse code modulated (PCM) voice signal from the decoded first voice signal.

42. (Previously Presented) The method of claim 36, further comprising:

receiving a second cell from a destination;

demultiplexing the second cell to produce a received voice cell; and

determining if the received voice cell includes the identification signal.

43. (Previously Presented) The method of claim 42, further comprising:

determining that a relay switch operation is performed if the received voice cell includes the identification signal.

44. (Previously Presented) The method of claim 36, further comprising:

generating a low-bit-rate coding voice signal from the first voice cell;

receiving a PCM voice signal via a network;

encoding the PCM voice signal into the low-bit-rate coding voice signal to produce a generated voice signal; and

associating the generated voice signal with a new voice cell for transmission to a destination via the network.

45. (Canceled)

46. (New) A method, comprising:

demultiplexing components of a received cell into a first voice cell and a first signaling cell;

disassembling the first voice cell into a first voice signal;

adding an identification signal to the first voice signal to produce a second voice signal;

making the second voice signal available to a network;

detecting that a relay switch operation is being performed if the second voice signal is received from a destination;

generating a low-bit-rate coding voice signal from the first voice cell;

receiving a PCM voice signal via a network;

encoding the PCM voice signal into the low-bit-rate coding voice signal to produce a generated voice signal; and

associating the generated voice signal with a new voice cell for transmission to a destination via the network.